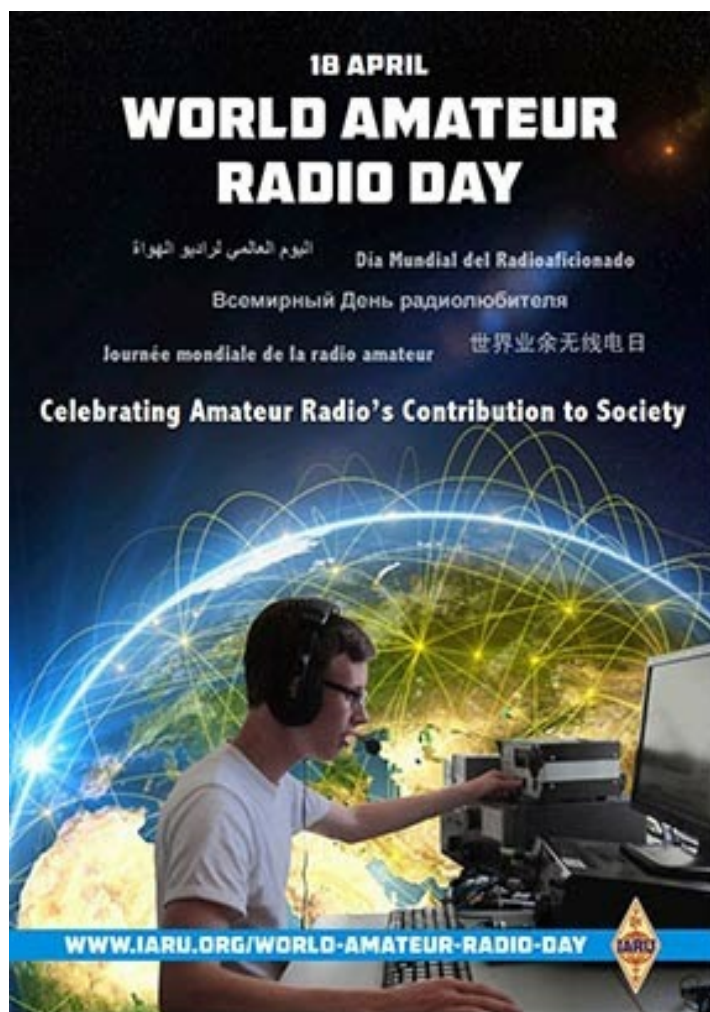


Revised Canadian Table of Frequency Allocations now includes additional 15 kHz for 60 Metre Band

We are happy to report that in their release of the Revised Table of Frequency Allocations <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10759.html> issued on 13 April 2018 ISED has addressed the concerns of the Canadian Amateur Radio community. The Revised Table now allocates the band 5351. kHz5 - 5366.5 kHz (which overlaps one of the previous 60m spot frequencies) and the four previously allocated spot frequencies (5332, 5348, 5373 and 5405 kHz). The conditions for the use of the band and spot frequencies remain the same as those governing the spot frequencies previously: maximum effective radiated power of 100 watts PEP, 2.8 kHz emission bandwidth and permitted modes telephony, data, RTTY and CW. The Table notes that the Amateur 60m allocations are not in accordance with international frequency allocations and that Canadian amateur operations shall not cause interference to fixed or mobile operations in Canada or other countries. As in the previous allocation of the spot frequencies, the Table notes that if interference occurs the amateur service may be required to cease operations. This is a standard condition of domestic allocations and as noted previously by RAC has not occurred during operation on the previously allocated and authorized spot frequencies.

Even though the Canadian Table of Frequency Allocations now identifies this new 60 metre allocation for the Amateur Service, Canadian Amateurs must await authorization by ISED before using the new 15 kHz segment. Such authorization is normally effected via a revised issue of document RBR-4 – Standards for the Operation of Radio Stations in the Amateur Radio Service (<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10650.html>). Radio Amateurs of Canada will be urging ISED to authorize the new 15 kHz segment as soon as possible.

**LARC Annual Dinner
April 19, 2018, 6 PM,
Chicago Joe's in the
Victoria Inn on Arthur
Street.**



LARC SENATE

Robert Hansen VE3RVA
 Dave Kimpton VE3AVS
 Laurie Bridgett VE3BCD
 Terry Stewardson VA3LU
 Ed Baumann VE3SNW

LARC EXECUTIVE

President: Randy Gottfred VA3OJ

Vice-President: Bob Hansen
 VE3RVA

Treasurer: Bill Unger VE3XT

Board Member: Mike Skillen VE3EDX

Board Member: Mark Vaillant
 VA3MVR

Board Member: Brad Harris VE3MXJ

ABOUT US

The Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. Our meetings are the second Thursday of the month at room 214 McIntyre Building, Confederation College, 7:30 PM. Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to hiqnewsletter@gmail.com

Nets in the Thunder Bay Area

Last Monday of every Month - ARES net on VE3YQT - 7 pm
 (you do not have to be an ARES member to check in)

Cook County ARES Response Team (CARRT) net at 0100Z (8 pm) on the BWARC repeater, Grand Portage repeater - 146.655 with CTCSS

Any questions on these or other nets please feel free to contact me at my e-mail: ve3mxj@rac.ca

LARC Emergency Coordinator

Brad Harris VE3MXJ 767-0628

ARES District Emergency Coordinator

vacant

CANWARN

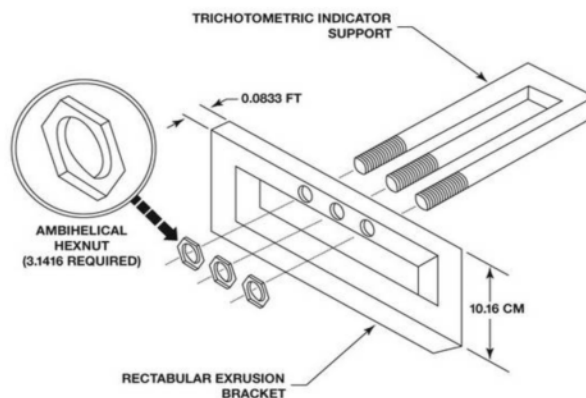
VA3JMS John 767-3631
 VE3RRP Karl

Public Service Events

VA3TBA Chris Chadwick

Accredited Examiners

VE3FAL Fred Lesnick 577-0789
flesnick@tbaytel.net
 VE3VAI Lori Bedford 622 – 6386

**LARC OPEN ACCESS REPEATERS**

VE3YQT(Mount Baldy)147.060 (-600) Phone Patch

VE3TBR (St. Joseph's) 146.820 pl 107.2

442.075 (+5 MHz) **pl 100**
 144.390 APRS

VE3UPP Upsala 145.470 (-600)

submitted by Karl Hamilton VE3RRP

Coax Loss vs Connector Loss

A question that comes up regularly is one about loss, specifically loss in the coax and connectors between your radio and your antenna. The general wisdom is that better coax gives you better results and more connectors is bad. So, essentially we've been taught that we should have the shortest coax possible with as few connectors as possible. Pretty fair and reasonable, right?

I recently saw a youtube video made by Jim W6LG. Jim has a YouTube channel with about a 100 videos.

Jim rigged up a testing tool to compare a single connector to 30 connectors. He even compared 20m to 6m and tested both extensively and even re-did the tests with a kilowatt. Then he did the same test with the 30 odd meters of RG8X coax.

Surprisingly, there was no discernible difference between one connector and 30 connectors in-line, not at 14 MHz, not at 50 MHz, not at 50 microvolts and not at 1 kilowatt. Using RG8X coax, which sits about halfway between RG58 and RG213 in terms of loss, there was however 22% loss at 14 MHz and 40% at 50 MHz. You can check Youtube for Jim W6LG's channel.
— Onno, VK6FLAB

V55V, Big Signal out of Namibia, to Go Silent

Martin Walter, V51W, near Omaruru, Namibia, has spent the past 2 decades improving his station, which likely accounts for his V55V station's increasingly better signal. After trying all possible antenna systems, he is convinced that his wire rhombic antennas are the best choice. He uses three of them; two that are 160 meters on each leg to the US and Europe, and one with 80-meter legs, also aimed at Europe. V55V was used for countless contest and DXpedition activities during the past years but now, Walter is planning to shut down the station and move back to Germany.

Rudi Klos, DK7PE, has posted a video tour of antenna installation at V55V on YouTube.

Equinox 'cracks' forming in Earth's magnetic field

The vernal equinox is less than 10 days away. That means one thing: Cracks are opening in Earth's magnetic field. The seasonal phenomenon is known as the "Russell-McPherron effect," named after the researchers who first explained it more than 40 years ago. These "equinox cracks" are causing geomagnetic activity and bright auroras around the Arctic Circle even without strong solar activity. -- See Spaceweather.com for the full story.

Links from Jan VA3JRS

2018

<https://slate.com/technology/2018/04/space-startup-swarm-defied-the-fcc-to-launch-tiny-satellites.html>

<https://www.stgeorgeutah.com/news/archive/2018/04/14/apc-rsw-nevada-sheriff-radio-show-host-art-bell-dead-at-72/#.WtSENrjA0gd>



VB18FIFA: World Cup 2018 Football Amateur Radio Marathon June 1 to July 15

For immediate release from
RAC:

The special call sign
VB18FIFA will be on the air

from June 1 to July 15 for the 2018 FIFA World Cup in Russia.

Members of the Maritime Contest Club (MCC) will represent Canada and Radio Amateurs of Canada at the request of the Russian Amateur Radio Union (SRR), the national organization of Radio Amateurs in Russia.

The SRR has partnered with Amateur organizations in 60 countries to organize special event stations.

QSLs will be via Logbook of The World (LotW) only, and the award for working FIFA stations is available from the SRR online at: <http://fwc18.hamlogs.net>.

Please see the VB18FIFA page on QRZ for more details.
Background information:

"The FIFA World Cup, often simply called the World Cup, is an international association football competition contested by the senior men's national teams of the members of Fédération Internationale de Football Association (FIFA), the sport's global governing body. The championship has been awarded every four years since the inaugural tournament in 1930, except in 1942 and 1946 when it was not held because of the Second World War. The current champion is Germany, which won its fourth title at the 2014 tournament in Brazil." (Wikipedia —https://en.wikipedia.org/wiki/FIFA_World_Cup)

For more information visit the FIFA World Cup website at: <http://www.fifa.com/worldcup/index.html>

Alan Griffin
RAC MarCom Director

APRIL

2018

Arrowhead Radio Amateur Club

HAM FEST!

Sat. May 5th, 2018 9:00am – 2:00pm

**HEAD OF THE LAKES FAIRGROUNDS – MULTI
PURPOSE BUILDING**

4700 Tower Ave. (Wisconsin Hwy 35) Superior, WI 54880

Fairgrounds are located next to the Superior Airport.

Admission: \$7.00 (12 & under FREE!)

Free parking for most vehicles.

Used and like new radios, supplies, equipment, and computer related items including software and hardware! Personalized Ham items also available!

<<< QSL card checking for ARRL awards program by Mike Cizek W0VTT >>>

Mike's email: m_gcizek@gmail.com



This is an A.R.R.L. sanctioned event.

Talk-in on W0GKP Repeater:
146.940(-) [103.5] Duluth
147.000(-) [103.5] Mahtowa
146.940(-) [114.8] 2-Harbors

Testing on site!

10:00 AM 4-H Building
Contact: Doug
AA0AW / 218-391-5874
aa0aw@arrl.net

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Dealer / Vendor Tables:
4 foot table: \$5.00
8 foot table: \$10.00
Vendor setup starts at: 7:00am

Table Reservations:

Robert Schulz, KCONFB
115 Eden Lane
Duluth, MN 55805-1533
218-481-7458
arac_hamfest@charter.net

Hourly Drawings!

Lakehead Amateur Radio Club

March 2018 Treasurers Report

Opening Balance March 1, 2018 \$663.64

Income

March 50/50	\$3.00
March 13, Membership	\$35.00
Total Income	<u>\$38.00</u>

Expenses

Total Expenses \$0.00

Closing Balance February 28, 2018 \$701.64

<u>Trailer Account</u>		
	Previous Balance	\$302.89
<u>Income</u>		
		\$0.03
Interest		
Total		\$302.92
<u>Expenses</u>		
Total Expenses:		\$0.00
	Balance in Trailer Account	<u>\$302.92</u>

Term Account

Opening Balance March 01, 2018 \$2,060.15

March Interest \$0.25

Closing Balance March 31, 2018 \$2,060.40

Bill Unger VE3XT
Treasurer



Minutes for the Lakehead Amateur Radio Club

Date: March 8, 2018

President, Randy Gottfred VA3OJ Presiding.

Guest Speaker:

Attendees talked about their activities

Treasurer's Report: Bill Unger, VE3XT

Bill Unger VE3XT moves to accept the report as printed in Hi-Q. Seconded by Doug McCormick VE3EFC. Passed Unanimously.

Minutes of Previous Meeting:

Karl Hamilton VE3RRP moves to accept the previous meeting's minutes as printed in Hi-Q. Seconded by Brad Harris VE3MXJ. Passed.

Old Business:

Public Service (Chris Chadwick, VA3TBA, public events coordinator)

Past Events:

Sleeping Giant Loppet Saturday March 3, 2018, Randy Gottfred VA3OJ Coordinator
-no hitches, no accidents, no injuries... Thank you to all who volunteered

Upcoming Events

10 Mile Road Race May 2018, Norm Bell VE3XRC Co-ordinator "is a go".
Conquer The Dog in August

CANWARN (John Sacek, VA3JMS, Karl Hamilton, VE3RRP)

No news

ARES (Brad Harris, VE3MXJ, Thunder Bay EC)

Monthly Net: Last Monday of the month on VE3YQT 7 PM ET
No other news.

Repeater News

Randy Gottfred VA3OJ,

Terry Stewardson VA3LU

Need volunteers near end of March to coil up free heliax
Work on a Sleeping Giant Park repeater for the Loppet.

Club Trailer: (Bob Hansen, VE3RVA)

No news

LARC Revitalization: 20/20 (Randy Gottfred, VA3OJ)

We need input from everybody in the ham community. The main question we are asking is "How can we make LARC better?"

April Dinner Meeting

3rd Thursday in April. April 19th 6pm, Chicago Joes, Tentative Speaker "undersea photography". Note that the date is the week after our usual meeting time. This was done due to room availability.

New Business

RAC Bulletin Highlights by VE3RRP will be in Hi-Q in the future.

50/50 Draw: Brandon Rehfuhs VE3OTV

Adjournment moved by: Randy Gottfred VA3OJ

**Next Executive Meeting: April 5, 2018,
7:30 PM, RM 213**

**Next LARC Meeting:
April 19, 2018, 6 PM,
Chicago Joe's**



April 2018

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1 Easter Sunday
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18 CW OPS Mini Test World Amateur Radio Day	19 ANNUAL DINNER 6 PM Chicago Joes	20 Holyland DX Contest	21 Ontario QSO Party	22
23	24	25 UKEICC 80 M Contest	26	27	28	29 Helvita Con- test
30						